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## UTILITY PATENT APPLICATION TRANSMITTAL

Signed statement attached deleting inventor(s)

named in the prior application, see 37 CFR

1.63(d)(2) and 1.33(b).

Name (Print/Type)

Signature

Application Data Sheet. See 37 CFR 1.76

Attorney Docket No.		EH-11132						
		Steven J. BULLIED, et a						
Title	Single Crystal	nv	estment Cast Components					
-		$\neg$	EL 000 707 400 110					

Nonpublication Request under 35 U.S.C. 122

or its equivalent.

Other:

(b)(2)(B)(i). Applicant must attach form PTO/SB/35

03/25/2004

Date

Express Mail Label No. EL 328 767 192 US (Only for new nonprovisional applications under 37 CFR 1.53(b)) Mail Stop Patent Application APPLICATION ELEMENTS ADDRESS TO: Commissioner for Patents See MPEP chapter 600 concerning utility patent application contents. P.O. Box 1450, Alexandria, VA 22313-1450 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) Specification [Total Pages (preferred arrangement set forth below) 3. Computer Readable Form (CRF) - Descriptive title of the invention b. Specification Sequence Listing on: - Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, paper or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention ACCOMPANYING APPLICATION PARTS - Brief Description of the Drawings (if filed) - Detailed Description Assignment Papers (cover sheet & document(s)) - Claim(s) 37 CFR 3.73(b) Statement Power of - Abstract of the Disclosure Attorney (when there is an assignee) English Translation Document (if applicable) 4. Drawing(s) (35 U.S.C. 113) [ Total Sheets Copies of IDS Information Disclosure 12. l 5. Oath or Declaration [ Total Pages Citations Statement (IDS)/PTO-1449 **Preliminary Amendment** Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) Return Receipt Postcard (MPEP 503) b. (for continuation/divisional with Box 18 completed) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) **DELETION OF INVENTOR(S)** 

or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Correspondence address below Name Address City State Zip Code Country Fax Telephone Tracey R. Loughlin Registration No. (Attorney/Agent) 51,969

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,

16.

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Signature

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PTO/SB/17 (10-03)
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FEE TRANSMITTA	1									
	_	Application Number			r	Not Assigned Yet				
for FY 2004		Filing Date				Filed Herewith				
Effective 10/01/2003. Patent fees are subject to annual revision	).	First Named Inventor				Steven J. BULLIED et al.				
	·	Examiner Name				Not Assigned Yet				
Applicant claims small entity status. See 37 CFR 1.27		Art Unit				Not Assigned Yet				
TOTAL AMOUNT OF PAYMENT (\$) 1040.00		Attorney Docket No.				EH-11132				
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)								
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1001 770 2001 285 Utility filing for	125	5 2,010	2255	1,005	Exter	nsion for reply wit	hin fifth month	<u> </u>		
1002 340 2002 170 Design filing fee \$770.00	140	1 330	2401	165	Notic	e of Appeal				
1003 530 2003 265 Plant filing fee	140	2 330	2402	165	Filing	a brief in suppor	t of an appeal			
1004 770 2004 385 Reissue filing fee	140	3 290	2403	145	Requ	est for oral hearing	ng	<u> </u>		
1005 160 2005 80 Provisional filing fee	145	1 1,510	1451	1,510	Petitio	on to institute a p	ublic use proceeding			
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1204 86 2204 43 ** Reissue independent claims over original patent	180	01 770	2801			•	d Examination (RCE)			
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SUBTOTAL (2) (\$\\$270.00  **or number previously paid, if greater; For Reissues, see above		*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00								
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Name (Print/Type) Tracey R. Loughlin		Manage	/ALann	51,9	アロゴ	relep	hone 860-565-6127			

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## **EXPRESS MAIL CERTIFICATE**

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Type of Document(s):

- Utility Patent Application Transmittal (PTO/SB/05) (1 page)

- Fee Transmittal Sheet (PTO/SB/17) (1 page)

- Specification and Claims (22 pages)

- Drawings (2 pages)

- Information Disclosure Statement (3 pages)

- Information Disclosure Form (PTO/SB/08A) (2 pages)

- Declaration and Power of Atty. (7 pages)

- Recordation Form Cover Sheet (PTO-1595) (1 copy)

Assignment (7 pages)Post Card Receipt

Serial No.:

Not Assigned Yet

Inventors:

Steven BULLIED et al.

Title:

SINGLE CRYSTAL INVESTMENT CAST COMPONENTS

AND METHODS OF MAKING SAME

File Reference:

EH-11132

I hereby certify that the documents identified above are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above, addressed to: Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Anna Sardinskas

anna Sardinskas